

ABSTRACT

The present invention provides a multilayer film that is among antireflective films including low-refractive index thin-films and high-refractive index thin-films, a display filter including the multilayer film, and a display including the multilayer film. The multilayer film has enhanced surface hardness, improved scratch resistance, low reflectance, and high transparency and functions as a suitable antireflective film.

The multilayer film includes a substrate film (a), a hard coat layer (b) containing a (meth)acrylate compound, an electrically conductive layer (c) containing electrically conductive particles, and a resin layer (d) containing a fluorine compound, those layers being disposed on at least one face of the substrate film (a). The resin layer (d) has fine irregularities on the surface and an arithmetic average surface roughness R_a ranging from $0.003\ \mu\text{m}$ to $0.025\ \mu\text{m}$ and the surface of the resin layer (d) of the multilayer film has a reflectance of less than 2%. The display filter and the display each include the multilayer film.